

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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DATA MATRIX

Date 5/31/2017		EPA Reg No./File Symbol 91664-1		Page 1 of 7	
Applicant's/Registrant's Name & Addre Ag NuBio Inc., 11125 N. Ambassador	icant's/Registrant's Name & Address luBio Inc., 11125 N. Ambassador Drive, Ste. 120 Kansas City MO 64153 Product Biorend				
Ingredient Chitosan Technical (PC C	Code 128930)		•		
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6302	Color	49626901	Ag NuBio	Own	
830.6303	Physical State	49626901	Ag NuBio	Own	
830.6304	Odor	49626901	Ag NuBio	Own	
830.6313	Stability	44292301	Glycogenesys Inc	OLD	
830.6314	Oxidation/Reduction: Chemical incompatibility	49626901	Ag NuBio	Own	
830.6315	Flammability	49626901	Ag NuBio	Own	
830.6316	Explodability	49626901	Ag NuBio	Own	
830.6317	Storage Stability		AgNuBio	In Progress	
830.6319	Miscibility	49626901	Ag NuBio	Own	
830.6320	Corrosion Characteristics	49626901	Ag NuBio	In Progress	
830.6321	Dielectric Breakdown Voltage	49626901	Ag NuBio	Own	
830.7000	рН	49626901	Ag NuBio	Own	
830.7050	UV / Vj šib je	49626901	Ag NuBio	Own	
830.7100	Viscosit	49626901	Ag NuBic	Own	
830.7200	Melting/Range	49626901	Ag NuBio	Own	
Signature	1///		Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017
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Applicant's/Registrant's Name & Address Ag NuBio 11125 N. Ambassador Drive, Ste 120 Kansas City, MO 64153	Product Biorend							
Ingredient Chitosan (PC Code 128930)								
Guideline Reference Number Guideline Study Name	MRID Number	Submitter	Status	Note				
830.7220 Boiling Range	49626901	Ag NuBio	Own					
830.7300 Bulk Density / Specific Gravity	49626901	Ag NuBio	Own					
830.7370 Dissociation Constant in Water	49626901	Ag NuBio	Own					
830.7520 Particle Size / Distribution	49626901	Ag NuBio	Own					
830.7550 Partition Coefficient	49626901	Ag NuBio	Own					
830.7840 Water Solubility	49626901	Ag NuBio	Own					
830.7950 Vapor Pressure	49626901	Ag NuBio	Own					
880.1200 Description of Formulation Process	49626901	Ag NuBio	Own					
880.1400 Discussion of Impurities	49626901	Ag NuBio	Own					
830.1700 Preliminary Analysis	49626901	Ag NuBio	Own					
830.1750 Certified Limits	49626901	Ag NuBio	Own					
830.1800 Enforcement Analytical Method	49845201	Ag NuBio	Own					
880.1100 Product Jeen tity and Composition	49626901	Ag NuBio	Own					
880.1200 Description of Materials Used to Produce the Product	49626901	Ag NuBi∩	Own					
880.1200 Description of Poduction Process	49626901	Ky NuBio	Own					
Signature	•	Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017				
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Applicant's/Registrant's Name & A Ag NuBio 11125 N. Ambassador I	ddress Drive, Ste 120 Kansas City, MO 64153		Product Biorend		
Ingredient Chitosan (PC Code 12	28930)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100	Acute Oral Toxicity -Rat	49626907	Ag NuBio	Own	
870.1200	Acute Dermal toxicity	49626906	Ag NuBio	Own	
870.1300	Acute inhalation toxicity- Rat	49626905	Ag NuBio	Own	
870.2400	Primary Eye Irritation- Rabbit	49626904	Ag NuBio	Own	
870.2500	Primary dermal Irritation	49626903	Ag NuBio	Own	
870.2600	Dermal Sensitization	49626902	Ag NuBio	Own	
	Hypersensitivity Events	44185814	Glycogenesys	OLD	
870.3100	90-Oral	47279603	Ag NuBio	Own	
870.3250	90-Day Dermal Rat	47279603	Ag NuBio	Own	
870.3700	Prenatal Development toxicity - rat	47362201	Ag NuBio	Own	
870.3465	90 Day Inhalation-Rat	47362201	Ag NuBio	Own	
880.3550	Immunotoxicity	47362201	Ag NuBio	Own	
870.5100	Bacterial reverse mutation assay	46790203	IR-4	PAY	
870.5300	In atro marunalism cell assay	46790203	IR-4	PAY	
870.5375	In vitro manimalian cell assay	46790203	IR-4	PAY	
Signature	All n	•	Name and Title Dr. Matthew Brooks, Regulatory Consultant	•	Date 5/31/2017
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Applicant's/Registrant's Name & Address Ag NuBio 11125 N. Ambassador Drive, Ste 120 Kansas City, MO 64153		Product Biorend			
Ingredient Chitosan Technical (PC	Code 128930)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Avian oral toxicity	47362201	Ag NuBio	Own	
850.2200	Avian dietary toxicity	47362201	Ag NuBio	Own	
850.1075	Freshwater fish acute toxicity	46790205	IR-4	PAY	
850.1010	Acute toxicity freshwater invertebrates (daphnia)	46790205	IR-4	PAY	
850.4100	Seedling Emergence	46790205	IR-4	PAY	
850.4150	Vegetative Vigor (algal)	46790205	IR-4	PAY	
850.4350	Nontarget Insect	46790205	IR-4	PAY	
850.3020	HoneyBee Acute Testing	46790205	IR-4	PAY	
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Signature		•	Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017

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Date 5/31/2017			EPA Reg No./File Symbol 91664-1		Page 5 of 7
Applicant's/Registrant's Name & Address Ag NuBio Inc., 11125 N. Ambassador Drive, Ste. 120 Kansas City MO 64153		Product BioRend			
Ingredient Chitosan (PC Code 12893	0) End Use Product				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6302	Color	49627601	Ag NuBio	Own	
830.6303	Physical State	49627601	Ag NuBio	Own	
830.6304	Odor	49627601	Ag NuBio	Own	
830.6313	Stability	49627601	Ag NuBio	Own	
830.6314	Oxidation/Reduction: Chemical incompatibility	49627601	Ag NuBio	Own	
830.6315	Flammability	49627601	Ag NuBio	Own	
830.6316	Explodability	49627601	Ag NuBio	Own	
830.6317	Storage Stability		Ag NuBio	In Prog	
830.6319	Miscibility	49627601	Ag NuBio	Own	
830.6320	Corrosion Characteristics		Ag NuBio	In Prog	
830.6321	Dielectric Breakdown Voltage	49627601	Ag NuBio	Own	
830.7000	рн	49627601	Ag NuBio	Own	
830.7050	UV / Nipible	49627601	Ag NuBio	Own	
830.7100	Visions y	49627601	Ag NuBio	Own	
830.7200	Malting Range	49627601	Ag NuBio	Own	
Signature		•	Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017





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Date 5/31/2017	EPA Reg No./File Symbol 91664-1		Page 6 of 7			
Applicant's/Registrant's Name & Address Ag NuBio 11125 N. Ambassador Drive, Ste 120 Kansas City, MO 64153	Product Biorend					
Ingredient Chitosan (PC Code 128930) End Use Product						
Guideline Reference Number Guideline Study Name	MRID Number	Submitter	Status	Note		
830.7220 Boiling Range	49627601	Ag NuBio	Own			
830.7300 Bulk Density / Specific Gravity	49627601	Ag NuBio	Own			
830.7520 Particle Size / Distribution	49627601	Ag NuBio	Own			
830.7550 Partition Coefficient	49627601	Ag NuBio	Own			
830.7840 Water Solubility	49627601	Ag NuBio	Own			
830.7950 Vapor Pressure	49627601	Ag NuBio	Own			
880.1200 Description of Formulation Process	49627601	Ag NuBio	Own			
880.1400 Discussion of Impurities	49627601	Ag NuBio	Own			
830.1700 Preliminary Analysis	49627601	Ag NuBio	Own			
830.1750 Certified Limits	49627601	Ag NuBio	Own			
830.1800 Enforcement Analytical Method	49627601	Ag NuBio	Own			
880.1100 Product Identity and Composition	49627601	Ag NuBio	Own			
880.1200 Description of Materials Used to Produce the Produce	duct 49627601	Ag NuBio	Own			
880.1200 Description of Preduction Process	49627601	Ag NuBio	Own			
Signature EPA Form 9570 35 (957) Flucture and Refuge various available. Submit only Paper.	•	Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017		



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Applicant's/Registrant's Name & Address Ag NuBio 11125 N. Ambassador Drive, Ste 120 Kansas City, MO 64153 Product Biorend						
Ingredient Chitosan (PC Code 12	8930) End Use Product					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
870.1100	Acute Oral Toxicity -Rat	49627607	Ag NuBio	Own		
870.1200	Acute Dermal toxicity	49627606	Ag NuBio	Own		
870.1300	Acute inhalation toxicity- Rat	49627605	Ag NuBio	Own		
870.2400	Primary Eye Irritation- Rabbit	49627604	Ag NuBio	Own		
870.2500	Primary dermal Irritation	49627603	Ag NuBio	Own		
870.2600	Dermal Sensitization	49627602	Ag NuBio	Own		
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Applicant's/Registrant's Name & Add	iress		Product		
Ag NuBio Inc., 11125 N. Ambassado	or Drive, Ste. 120 Kansas City MO 64153		Biorend		
Ingredient Chitosan Technical (PC	Code 128930)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Glycogenesys Inc	OLD	=
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			AgNuBio	In Progress	
			Ag NuBio	Own	
			Ag NuBio	In Progress	
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Ag NuBio 11125 N. Ambassador Drive, S	Ste 120 Kansas City, MO 64153		Biorend			
Ingredient Chitosan Technical (PC Code	e 128930)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
			Ag NuBio	Own		
			Ag NuBio	Own		
			Ag NuBio	Own		
			Ag NuBio	Own		
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Applicant's/Registrant's Name & Addres	s		Product		
Ag NuBio 11125 N. Ambassador Drive,	Ste 120 Kansas City, MO 64153		Biorend		
Ingredient Chitosan Technical (PC Co	de 128930)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Glycogenesys	OLD	
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Applicant's/Registrant's Name & Addr	ess		Product		
Ag NuBio 11125 N. Ambassador Driv	e, Ste 120 Kansas City, MO 64153		Biorend		
ngredient Chitosan Technical (PC (Code 128930)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ag NuBio	Own	
			Ag NuBio	Own	
			IR-4	PAY	
			IR-4	PAY	
			IR-4	PAY	
			IR-4	PAY	
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Applicant's/Registrant's Name & Addre	ess		Product		
Ag NuBio Inc., 11125 N. Ambassador	Drive, Ste. 120 Kansas City MO 64153		BioRend		
Ingredient Chitosan (PC Code 1289	30) End Use Product				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
			Ag NuBio	Own	
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Signature			Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017

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Ingredient Chitosan (PC Code 128930) End Use Product								
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note			
			Ag NuBio	Own				
			Ag NuBio	Own				
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Signature			Name and Title		Date			
			Dr. Matthew Brooks, Regulatory Consultant		5/31/2017			



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Ingredient Chitosan (PC Code 128930) End Use Product									
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note				
			Ag NuBio	Own					
			Ag NuBio	Own					
			Ag NuBio	Own					
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Signature			Name and Title Dr. Matthew Brooks, Regulatory Consultant		Date 5/31/2017				

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